

Amendment 0006: VA-101-12-R-0070 Administration Building and Education Center, VA Southern Nevada Healthcare System, North Las Vegas, NV

Group 03: Request for Information (RFI) Questions and Responses, October 12, 2012

- 1 **Question:** Addendum #3, dated August 28th indicates:
- A. "...all perimeter window shades shall be motorized and automated."
 - B. "...use Sundialer Day Lighting Control System."
 - C. "...Shades... Thermo Veil, Basket Weave #1320 Shadow Grey 5%..."
 - D. "This response supersedes previously issued response related to window shades."
- 1A. We question the motorization of ALL shades. The cost would be exorbitant, the electrical application would be 'overkill' for some areas and there is no indication on RCP or Electrical plan sheets or reference specifications for motorized shades for us to do a correct take off and provide an accurate quote. Please provide electrical drawings to properly provide pricing.
Response: Although not all shades installed in current project will be motorized, provide power at all perimeter window locations (20A, 120V circuit) for motorized shade installation. See revised finish schedule in specification section 09 06 00 for location of window shade devices, motorized shades, manual shades, and fixed optical side-daylighting system devices. Also, see revised specification section for window shade device product information. See revised finish plans for graphic indication of the location of window shade devices. See attached revised sections/details for window shade head details.
- 1B. Using Sundialer control system on ALL the shades would mean they all have to be daisy chained together via low voltage wiring and there is no indication for the individual office shade control. This could be quite confusing and frustrating for offices to control their own shades. If you require all windows to include motorized shades, will this be acceptable? If no, please provide a drawing with layout of what is expected.
Response: Do not provide automated control system at this time. However, motorized shades provided must have capacity to interface with automated control system installed in the future.
- 1C. There is no connection point indicated on the electrical drawings for window shade power. None of the Electrical Panel board schedules indicate circuits allocated for window shade power. Which panel boards will be utilized for providing power to the motors, and are these panels properly sized for these additional circuits? Additionally, will these motors be controlled locally, through building automation, or interfaced with the lighting control?
Response: Provide power as indicated above. Shades will be controlled through local switching at each room. Cover a maximum of 4 window bays with one shade roller, and connect a maximum of 4 motors to one power circuit.
- 1D. The existing hospital has motorized shades installed in all (3) Atrium areas with Mechoshades 5% fabric because of the window configuration. All other shades throughout the hospital are solar shades with 3% fabric. Is it acceptable to stay with the original specification for manual shades throughout the building and match existing manual solar shades in VA hospital? This would save a great deal of money as well as have a direction to follow on the plans.

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Response: No. Provide as indicated in items 1A, 1B & 1C above and in revised sections noted. This response supersedes responses provided in Amendments 2, items 82, 83, & 84 and Amendment 3, item 7 related to interior window coverings.

2. **Question:** Amendment #3 signage drawings show 5 locations to “Provide mandatory VA signage as per VA Design Guide – Locate as per VA”. Please provide details as to the type of signage that is required.

Response: Please disregard the notes at these locations.

3. **Question:** Amendment #3 question 115 addressed the drawings as detailed vs meeting the NFPA_285. The answer to the question was that the phenolic panel air and vapor barrier system proposed must have been tested and in compliance with the requirements of NFPA_285. Please answer the following:

3A Is the exterior wall system for this project going to be built per plans and specified as drawn? If yes, please provide details for the exterior wall that meets NFPA_285.

3B Do the architectural details as provided by RTKL/JMA meet the NFPA_285? If no, is the exterior wall system for this project going to be bid and built design-build so that the contractor can meet the NFPA_285?

3C If the exterior wall is intended to be built design-build by the contractor, will the owner accept all changes needed in our design to meet the NFPA_285? If no, will the owner reimburse the contractor for additional costs for details that the owner desires that are not part of the contractor’s design-build solution?

Response (3 -3C); Specification section 07 13 00 “Sheet Water / Air Barrier” stipulates the use of a Self-Adhering (SA) Weather Resistant Barrier (WRB) behind the phenolic panels. Contractor to provide a system that complies with this specification which may include one of the following (or similar compliant) systems:

- Vaproshield Wrapshield sheet membrane
- Vaproshield Wallshield sheet membrane
- TYVEK Commercial Wrap sheet membrane

Note: Provide a system that does not require Mineral Wool to be NFPA_285 compliant as shown in the construction documents details.

Contractor may propose alternate NFPA_285 Compliant Systems that differ slightly from the details shown in the contract documents, but will be responsible for designing the system to meet the intent of the contract documents and submitting shop drawings to address the details for the variations in the conditions created by the change in the system configuration.

4. **Question:** There appears to be a few errors in the door schedule for this project. New door schedules were included in addendum 2, but the only significant change in those schedules from the originals was the deletion of the columns for leaf sizes. In comparing the two schedules door by door, we did find that door 109-2 had been added, but not clouded. When

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addendum 3 came out, doors 150-1 and 150-2 were added and were clouded. However, I also noticed that there was many other differences in other doors from the previous schedules that were not clouded. In the far right column, it was indicated that changes were made to some of these doors in revision one or two. No mention of any of these revisions were ever made in a previous addendum. This leads me to believe that there may have been other changes to the door schedules for other floors that were never mentioned and possibly the door schedules issued in addendum 2 were not the correct schedules.

- Some examples of errors that still exist are as follows:
- Door 144 should have hardware set 1 – not E9.
- Door 141.2 has hardware set SH-3. We think it should have 4J.
- Door 122 should have hardware set 4J – not 10.
- Door 214 should probably have set SH-9 to be consistent with similar doors.
- Doors 130, 131, 135, 136 and 137 should be aluminum sliding doors with hardware set 9A – not type C wood doors with hardware set 3E.
- Doors 110C, 112B, 213, 310C, 320J should be type C wood doors with hardware set 3E – not aluminum sliding doors with hardware set 9A.
- Doors 210C and 219H should be type C wood doors.

Response: Door 144 has been changed to HW-1, Door 141.2 will stay SH-3, 122 has been changed to HW-3E, Doors 130, 131, 135, 137 have been changed to HW-9A, Doors 110C, 112B, 213B, 310C, and 320J have been changed to wood doors with HW-3E, Doors 210C and 219H have been changed to wood doors. See revised doors schedules for these and additional revisions.

5. **Question:** In the irrigation legend on pages LI101 and LI102, the quick coupling valves description states they have non-potable, purple locking covers. Does the designed irrigation system use non potable water?
Response: The irrigation does not use non-potable water. The reason for using the non-potable quick coupler is because we do not want the irrigation water to be used as potable water due to potential contamination from back flow.
6. **Question:** After comparing dimensions between the landscape planting and irrigation plans with the civil drawings, the actual scale of pages LP101, LP102, LI101, and LI102 appears to be 1"=20'-0" rather than the 1"=30'-0" stated on the drawings. Clarification on scale is requested.
Response: Revised Landscape drawing was issued in previous VA Amendment #3 correcting scale.
7. **Question:** Please provide section details for the low walls, swing gate, and tempered glass panels with stainless steel posts @ the Sandwich Shop #1H-142 per AE-4504 notes 11, 14, 15, 16.
Response: See attached revised drawings and details.
8. **Question:** Please provide section details for the solid surface counter top per AE-4503 3, 4, 5, 6, 7, & 8 to clarify intended supports.
Response: See attached revised drawings and details.

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9. The finish schedule calls out for a combination of VWC and Paint in rooms 1H110 – Open Office, 1H112 – Open Office, 2H127A – Waiting, and 3H314A – Reception; but no interior elevation is provided in the drawings to clarify the approximate areas of each finish. Please provide an interior elevation for these rooms.
Response: See Revised Finish Plans for indication of extent of VWC. See Revised Finish Schedule for adjustments to finishes as indicated.
10. **Question:** The interior elevations for rooms 3H314U does not specify the wall finishes clearly on the North and South walls, which per the finish schedule are to receive both P-4 and VWC-3. Please clarify where both finishes are to be installed.
Response: See Revised Finish Plans for indication of extent of VWC. See Revised Finish Schedule for adjustments to finishes as indicated.
11. **Question:** The interior elevation for Wellness Center 1H111 does not clearly define where the mirrors on the North and South walls are to terminate. Please confirm the height of the mirrors on these two walls match the West elevation.
Response: Mirrors are only to be installed on the West wall. No mirrors are to be installed on the north and south walls.
12. **Question:** Numerous drawings were shown to have revisions on GI-0201.1 addendum #1 from amendment 2; they were not included in the addendum.
Response: Drawings indicated as being revised in Addendum#1 on Sheet GI-0201.1 are included in the VA Amendment #2 only. No previous Addendum #1 revisions were issued. See revised sheet GI-0201.1 for clarification.
13. **Question:** The following drawings were found in Addendum 1 Amendment 2; but were not shown on GI-0201.1:
- SF-1203A Partial Framing Plan Level 03 Area A
 - FJ-100 Basement Life Safety Plan
 - FA-701 Riser Diagram-Fire Alarm Plan
 - FA-702 Detail- Fire Alarm Plan
- Please update GI-0201.1
Response: See Updated Sheet GI-0201.1
14. **Question:** Addendum 2 - Amendment 3 Sheet AE-6101 shows multiple changes that were made to Addendum 1. Addendum 1 does not show these changes. Please provide a complete up to date door schedule.
Response: See revised Door Schedule Sheets.
15. **Question:** Please provide specifications for the vertical louvers. Building elevations calls for vertical sun shade at the connector area. However, there is no specification for this product. Section 107113 only specified horizontal sun shades.
Response: See revised Specification Section 10 71 13.
16. **Question:** Reference AE1201C, AE1202C, AE1203C. Please confirm that the bold broken line separating existing building and new building should be located similar to that of sheet

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AE1200C. The current location may cause people to leave out a section of the curtain wall with vertical sun shade (on the “existing side” but in reality must be new) out of the bid.

Response: See revised finish plans for adjusted scope of work line at connection.

17. **Question:** In reviewing the contract drawings it is believed that the project has been modeled utilizing 3D CAD software. Will this 3D model be available to successful contractors? What system was the model created in? Was the model ran for clash detection between HVAC trades before being printed?

Response: Revit Version 2012. The BIM model can be made available to the successful contractor provided they sign our Engineer’s release form. Clash detection was performed as required in constricted areas.

18. **Question:** The plans refer to the soils report for the asphalt structural section, but neither of the two geotech documents posted have this information. They refer to the 2006 geotech report from the original construction. Please provide the soils report for the asphalt structural section.

Response: Provided in previous amendment.

19. **Question:** RFI #207 response states "Door in STC rated walls should be solid core doors with continuous acoustic seals. No STC rated / certified doors are required". Our questions pertain to solid core wood doors and are as follows:

Does the above response apply to ALL solid core wood doors currently scheduled as "STC rated" or just pairs?

Response: The response applies to all “STC rated” doors.

20. **Question:** According to FAR 52.236-7 the contractor is responsible for all work performed until completion and acceptance of the entire work. This indicates that the contractor shall carry Builders Risk Insurance for the building being constructed, but FAR 52.236-7 does not mention anything for who will cover existing buildings. Please indicate if the government will be carrying BRI for the existing building and if so, if the contractor will be liable for the deductible and what the deductible will be.

Response: See solicitation for insurance requirements.

21. Refer to Specification 03 30 00 Cast-In-Place Concrete, Section 2.2 Materials, Sub-Section R: Design is calling for this product at all concrete floors to receive “resilient flooring..., wood flooring, carpet, epoxy coatings and overlays.” Section 3.14 Sub-Sections A-B calls for a “Liquid Densifier/Penetrating Sealer” at “exposed concrete floors and concrete floors to receive carpeting.” Please clarify which product should be used under carpeting.

Response: Liquid densifier/Penetrating sealer is to be used under carpet.

22. **Question:** Refer to Details 6-10 on AS-5002 (Seat Wall). We propose this wall be constructed out of pre-cast concrete to ensure an acceptable level of finish quality. Please confirm if acceptable.

Response: Contractor may propose pre-cast at his option.

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23. **Question:** Refer to Specification 03 30 00 Cast-In-Place Concrete, Section 3.1 Formwork, Subsection A-2 states "Provide forms for concrete footings unless Resident Engineer determines forms are not necessary." Please confirm if acceptable to "neat dig" building and/or site wall footings in lieu of the specified forming requirement.
Response: **Bid should include forms as noted. Contractor may coordinate/negotiate with the Resident Engineer on a case by case basis during construction.**
24. **Question:** Refer to Amendment 003 Q+R #64 which asks for clarification on the concrete spandrel wall shown on S-5111 / 11. The response refers us to detail 01 on AE-6402 and designates the height at 3.5'. The location of this architectural detail only shows up on the East wall section of the Admin Building (See Section 5 on AE 3110). As far as we can discern, all other wall sections show stud framing. Please clarify where the concrete wall is required vs. the stud framing.
Response: **See attached revised drawings clarifying locations of concrete sill wall.**
25. **Question:** Where is the pedestrian traffic coating located?
Response: **No pedestrian traffic coating is included in this project. Please disregard reference.**
26. **Question:** Fabricating panel sizing cannot exceed 120"x72" landscape or 72"x120" portrait (per Trespa North America guidelines) On drawings AE-2102 and AE-2103 some of the panels tagged MP-2 and MP-3 have exceeded this size. Please advise.
Response: **See revised sketch showing adjustment to panel sizes to meet limitations.**
27. **Question:** Restroom vanity detail shows an integral sink, but on the plumbing plans, the sinks are called out as under mount, please advise. Which is correct, under mount or integral?
Response: **Sinks in the solid surface countertops are to be integral.**
28. **Question:** Regarding detail drawings G00.4 thru G16.0 - Is it necessary to provide full size sample of sign types ED (sheet G03.0), EE(sheet G02.3) EF(sheet G02.4), EG(sheet G03.0), EJ, EJ.2, EJ.4(sheet G04.2), EN.1,EN.2(sheet G04.3) and EP(sheet G04.4)
Response: **No full sized samples will be required with the exception of the partial sample required for Sign Type EG.**
29. **Question:** Regarding sign type EF (sheet G02.4) Sign specifications, note 2 refers to painted aluminum panel.... but note 3 refers to fiberglass panel. Sign elevation note 3 points to aluminum frame as noted in specifications 101423 page 4 of 6 item # 5. Please advise which is correct.
Response: **Sign Type EF is the campus map--it has a post and panel (aluminum) structure with a frame to hold the fiberglass map panel insert on one side.**
30. **Question:** Regarding exterior sign location plan AS-1102 Are we to go with quantities noted on AS-1102 or as noted on G00.4 There is a big difference in quantities and sign type EN 12.03c noted on AS-1102 is missing from detail drawings. There are 14 ea. shown on plans.

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Response: Provide minimum quantities as noted on the signage program drawing G00.4. Where AS-1102 shows more or additional signage, provide the greater number as indicated. Sign type EN 12.03C is indicated in Amendment 2 – SK-38.

31. **Question:** Regarding interior “LOGO” type sign (sheet AG1004) Detail 5 and 6 Please advise quantity of this sign type since it is not noted on plans.
Response: Provide one of these signs. Locate at the south face of Stair #3 on Level One.
32. **Question:** What percentage of flooring material (carpet, VCT, Rubber Tile, Ceramic Tile, Terrazzo, etc.) would the VA like to have for Attic stock?
Response: Provide 5% for attic stock. Please confirm with VA Resident Engineer.
33. **Question:** Specification 09 64 00 Wood Strip Flooring calls out for Bamboo flooring. Where in the building is this located? It is not shown on the finish schedule or on the AF-1100 thru AF-11003 plans.
Response: Please disregard this section. No wood strip flooring is used.
34. **Question:** Should doors 110C, 112B, 213, 310C and 320J be type C wood doors with hardware set 3E?
Response: Yes, See revised Door Schedules.
35. **Question:** Should doors 130, 131, 135, 136, and 137 be aluminum sliding doors with hardware set 9A?
Response: Yes, See revised Door Schedules.
36. **Question:** Should door 122 have hardware set 4J?
Response: It has been revised to HW-3E. See revised Door Schedules.
37. **Question:** Should door 141.2 have hardware set 4J?
Response: No. That door will remain HW-SH-3
38. **Question:** Should door 144 have hardware set 1?
Response: Yes, See revised Door Schedules.
39. **Question:** Should doors 210C and 219H be wood doors?
Response: Yes, See revised Door Schedules.
40. **Question:** Should door 210H read aluminum sliding doors?
Response: Yes, See revised Door Schedules.
41. **Question:** Should door 214 have hardware set SH-9?
Response: No. It has been changed to HW-11. See revised Door Schedules.
42. **Question:** Door 401.1 is scheduled to have hardware set 80. Set 80 is for aluminum storefront doors. Please advise correct hardware set.
Response: Door 401.1 has been changed to HW-8. See revised Door Schedules.

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43. **Question:** Doors 403.2 and 404.2 are scheduled to have hardware set 5D. Set 5D is meant for a single door. Please advise the correct hardware set.
Response: Doors have been changed to HW-11C. See revised Door Schedules.
44. **Question:** Sheet G1-0202 indicates the building type as 1B per IBC 2009. Per section 1509.2 "Penthouses" of 2009 IBC, a penthouse can be omitted from fireproofing if the aggregate area of the penthouse does not exceed 1/3 the area of the supporting roof. The penthouse appears to be slightly greater than 1/3 the supporting roof. The plan details referencing Sheet SF1205 do not indicate fireproofing of the penthouse steel and metal decking. Please clarify if the penthouse is to receive fireproofing.
Response: The referenced IBC section permits a reduction in the fire resistance rating of the exterior walls of a penthouse when certain setbacks are met. This section does not permit omission of fireproofing from the structural members of the penthouse. Regardless, the construction type for the building is required to comply with NFPA 220, Standard on Types of Building Construction. NFPA 220 does not allow omission of spray fireproofing from structural steel in penthouses. All penthouse structural steel shall be spray fire-proofed; however, for structure supporting a roof only (as in the penthouse) the rating may be reduced to 1 hour for Type II (222) construction.
Note: *Fireproofing requirements are not indicated on Structural drawings. See fire and life safety documents for these requirements.*
45. **Question:** Reference SF-1201C: The existing columns on Grid Intersections R-4.0 and R-5.0 are marked for shoring in place, during excavation which occurs under them to allow for the tunnel construction at the tie-in to the building. Will the Engineer of Record be willing to work with the contractor on designing a replacement structure for this area if it is determined that the best approach is to disassemble the existing structure, rather than risk attempting to shore it?
Response: The Engineer of Record is willing to work with the contractor to demolish and rebuild the structure supported by the columns at R/4.0 and R/5.0. Please note that the stair to the east of grid 5.0 and the elevator to the west of grid 4.0 are at least partially supported by these columns. The structure including the stair and elevator could be demolished back to grid P. Alternately the atrium space could be demolished and temporary shoring could likely be used to independently stabilize the stair and elevator. In either case the structure would have to be built back to match the existing condition.
Note: *If this direction is pursued the Contractor would be responsible for additional service fees to the Engineer and would require approval by the VA for the Engineer of Record to work as a consultant to the contractor.*
46. **Question:** The exterior sun shades (both horizontal and vertical) are attached (integrated) to the windows and curtain walls. However the various specification sections 08 44 13, 08 51 13 are not integrated. Please provide specifications for windows and curtain walls that integrate exterior sun shades.
Response: See revised section 08 44 13. Exterior sun shades do not apply to section 08 51 13.

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47. **Question:** The finish schedule 09 06 00 indicates AWP, Acoustical Wall Panel and AWT, Acoustical Wall Treatment, but this finish does not appear to be called out in the drawings. Please confirm AWP and AWT are not being used.
Response: AWP and AWT are not being used.
48. **Question:** WPC-1 is called out on the drawings in rooms 1H113A, 1H120, 1H142 and 3H314C but it is not indicated in the finish schedule 09 06 00, please confirm that WPC-1 is to be installed per the plans.
Response: Provide WPC-1 at locations shown on drawings. See revised Finish Legend and Finish Schedule in Section 09 06 00 for further clarification of locations of WPC-1.
49. **Question:** Reference Spec Section 03 30 00, Paragraph 3.14 and Paragraph 2.2.R.2: Paragraph 3.14 states the surface treatment for exposed concrete floors and concrete floors to receive carpeting except those specified to receive non-slip finish shall have a liquid densifier/sealer applied in accordance with manufacturer's direction just prior to completion of construction. Paragraph 2.2.R states a moisture vapor emissions & alkalinity control sealer shall be applied the day of the pour for all slabs that receive flooring including but not limited to those areas that receive carpet. Please confirm the areas that receive carpet will only have the liquid densifier/sealer in lieu of the moisture vapor emissions and alkalinity control sealer.
Response: Areas that receive carpet need only have the liquid densifier/sealer in lieu of the moisture vapor emissions and alkalinity control sealer.
50. **Question:** The original specification 10 13 00 states the signs are to be ASI Modulex Infinity series or equivalent. See pages 19 and 20 of 34. The amendment 3 drawing and spec changes specify a design which is a proprietary design by APCO Signs although the name of the company is not used. See proprietary extrusion in detail 2 of G.05.0.

Will the VA accept interior and exterior signs equivalent to the drawings and specifications of Amendment 3 if they are not made by APCO or not exactly like APCO in appearance?
Response: Signage to be submitted to the VA for review.
51. "Revised" response to Amendment 003, item 54 as follows: Sht. AE-4511 / #6 – Indicates a Medical Headwall Unit. Note #1 – Indicates medical gases and to reference MEP drawings – The plumbing drawings or specifications do not indicate medical gas or equipment? – Is there a requirement for headwall units and medical gas?
Response: Provide the headwall units with no medical gases (used for training only), and no services will be required except basic electrical outlets. See attached revised specification section 10 25 13 Patient Bed Service Walls for clarification of the headwall units.
52. "Revised" response to Amendment 003, item 55 as follows: Sht. AE1301B – Indicates a Patient Lift System – Is there a requirement for a patient lift? No power is shown on EP-301B if it is required?
Response: Patient lift system charger shall be hard-wired to nearest 120v general convenience receptacle circuit. Patient lift equipment shall be provided per the attached added specification section 11 73 00 Ceiling Mounted Patient Lift.

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53. “Revised” response to Amendment 003, item 119 - The reflected ceiling plans clearly show where the Solatube Tubular Skylights are located, however this doesn’t match the roof plan drawings. Which is correct?

Response: Reflected ceiling plans shows the location of device in ceiling, the actual location on roof is shown approximate. The tubular daylight devices will need to angle from the ceiling to the roof. Tubular daylight device locations have been clarified per attached revised drawings – Roof Plans, reflected ceiling plans, and specifications.

.....**END**.....